**YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT**
**1947 Galileo Court, Suite 103, Davis, CA 95616**
**(530) 757-3650**

# TITLE V OPERATING PERMIT

**Permit Number: F-97-03**

**ISSUED TO:**
**International Home Foods, Inc.**
**500 Crocker Drive**
**Vacaville, CA 95688**

**PLANT SITE LOCATION:**
**500 Crocker Drive**
**Vacaville, CA**

**ISSUED BY:**

_____

_____

**Larry Greene, Air Pollution Control Officer** **Date**

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**Nature of Business: Manufacture of food products.**

**APPLICATION NUMBER: A-1-95F**

**APPLICATION COMPLETENESS DATE: 12 Dec 1995**

**SIC CODE: 2032**

**Responsible Official:**
**Name: Michael D. Harold Sr.**
**Title: Vice-President**
**Phone: (707) 448-8411**

**Site Contact Person:**
**Name: Michael J. Reilly**
**Title: Manager Engineering & Maintenance**
**Phone: (707) 448-8411**

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**FACILITY DESCRIPTION:**

**International Home Food, Incorporated's Vacaville facility produces canned food products, including Chef Boyardee, Rotel, and Dennison brands. The products are warehoused on-site awaiting shipment to customers. Flour (durum and hard wheat), tomatoes, meat, beans, and dried pasta are the primary raw material used at the facility, along with a variety of other food stuffs; including liquid sugar, spices and vegetable oil. Cans are manufactured off-site and are filled at this facility.**

**The food processing operation requires large quantities of steam for cooking. The steam is produced by five industrial boilers burning only PUC regulated natural gas. Until recently, seven boilers were present at the facility, however, two have recently been removed. Similarly, #6 fuel oil was recently utilized as a back-up fuel for the boilers, however, piping has recently been disconnected and storage tanks have been removed. No back-up fuel capability is now available for the remaining five boilers. Associated with the steam system are eight cooling towers, four of which include only non-contact cooling water. The facility maintains a fire suppression system which includes two diesel-fired water pumps (one primary and one back-up). Finally a diesel-fired generator provides emergency power for lighting in the warehouse.**

**The flour arrives at the facility in bulk and is handled through a pneumatic conveying system. Emissions from the flour handling system are controlled by five baghouses. Wastewater is either discharged to the local Publicly-Owned Treatment Works or is utilized in an off-site agricultural irrigation system.**

**During most of the year, boilers are operated to produce a maximum of 72,000 pounds of steam per hour. However, during the tomato harvesting season, activity increases for a period of up to 13 weeks (typically, July, August, and September) to take advantage of local tomato supplies. During that period, all boilers are utilized to maximize production capacity. At any time during the year, the boilers may undergo start-up and shutdown procedures to accommodate steam demands, other operational requirements, inspection procedures, or maintenance needs. In addition, regular maintenance and non-routine activities occur at the site and will continue to occur in the future.**

## INSIGNIFICANT EMISSIONS UNIT INFORMATION

| | |
|---|---|
| **Cooling Tower #2** | **This facility has a non-contact cooling water tower, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 112).** |
| **Cooling Tower #6** | **This facility has a non-contact cooling water tower, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 112).** |
| **Cooling Tower #7** | **This facility has a non-contact cooling water tower, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 112).** |
| **Cooling Tower #8** | **This facility has a non-contact cooling water tower, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 112).** |
| **Degreaser** | **This facility has a solvent rinsing container, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 110.3).** |
| **Bulk Tomato Processing** | **This facility receives and handles bulk tomatoes, this is an insignificant emissions unit based upon the District's exemption rule. (Rule 3.2 section 113).** |
| **Petroleum Lubricant Tanks** | **This facility has six tanks ranging from 225 gallons to 350 gallons containing lubricating oils and waste lubricants, these are insignificant emissions units based upon the District's exemption rule. (Rule 3.2 section 109.2).** |

## SIGNIFICANT EMISSIONS UNIT INFORMATION

## COMBUSTION UNITS

**Permit #P-24-98**

**PROCESS DESCRIPTION:** **Steam Production**

**EQUIPMENT INVENTORY:**

**Boiler #1** **Wickes Boiler Co., Model #WD0G26, Serial# 65008-1. 60,000 lb steam per hr, 84.9 mmbtu/hr. PUC regulated natural gas fired only.**

**Permit #P-23-98**

**PROCESS DESCRIPTION:** **Steam Production**

**EQUIPMENT INVENTORY:**

**Boiler #2** **Wickes Boiler Co., Model #WD0G26, Serial# 65008-2. 60,000 lb steam per hr, 84.9 mmbtu/hr. PUC regulated natural gas fired only.**

**Permit #P-20-98**

**PROCESS DESCRIPTION:** **Steam Production**

**EQUIPMENT INVENTORY:**

**Boiler #3** **Wickes Boiler Co., Model #WD0G26, Serial# 65008-3. 60,000 lb steam per hr, 84.9 mmbtu/hr. PUC regulated natural gas fired only.**

**Permit #P-21-98**

**PROCESS DESCRIPTION:** **Steam Production**

**EQUIPMENT INVENTORY:**

**Boiler #4** **Zurn Industries, Type: Keystone, Serial #98484, 72,000 lb steam per hr, 99.2 mmbtu/hr. PUC regulated natural gas fired only.**

**Permit #P-22-98**

**PROCESS DESCRIPTION:** **Steam Production**

**EQUIPMENT INVENTORY:**

**Boiler#5** **Zurn Industries, Type: Keystone, Serial #98892, 72,000 lb steam per hr, 99.2 mmbtu/hr. PUC regulated natural gas fired only.**

## GENERAL EMISSION UNITS

**Permit #P-41-72(t)**

**PROCESS DESCRIPTION:** **Cooling Towers**

**EQUIPMENT INVENTORY:**

| | |
|---|---|
| **Cooling Tower #1** | **Marley double-flow cooling tower, Model #459-103 designed with a maximum throughput rate of 5,250 gpm.** |
| **Cooling Tower #3** | **Marley double-flow cooling tower, Model #457-202 designed with a maximum throughput rate of 800 gpm.** |
| **Cooling Tower #4** | **Marley double-flow cooling tower, Model #457-202 designed with a maximum throughput rate of 800 gpm.** |
| **Cooling Tower #5** | **Marley double-flow cooling tower, Model #457-202 designed with a maximum throughput rate of 800 gpm.** |

**Permit #P-38-72(t)**

**PROCESS DESCRIPTION:** **Pneumatic Flour Handling System**

**EQUIPMENT INVENTORY:**

| Durum Flour System: | HP | Hard Wheat Flour System: | HP |
|---|---|---|---|
| Blower | 15 | Blower | 20 |
| Airlock | 0.75 | Airlock | 0.75 |
| Bulk Bin #1 Feed Screw | 2 | Bulk Bin #3 Feed Screw | 2 |
| Bulk Bin #2 Feed Screw | 2 | Bulk Bin #4 Feed Screw | 2 |
| Airlock Valve | 0.5 | Blower | 20 |
| Surge Bin | | Airlock valve | 0.5 |
| Sifter | 2 | Airlock valve | 1.5 |
| Blower | 10 | Surge bin | |
| Airlock Valve | 1 | Sifter | 0.75 |
| Airlock Valve | 3 | Airlock valve | 1.5 |
| Blower | 7.5 | Ravioli hopper #2 | |
| Spaghetti Hopper | | Ravioli hopper #1 | |
| Spaghetti Blower | 2 | Area valve #2 | |
| | | Area valve #1 | |

**CONTROL EQUIPMENT INVENTORY:**

| | | |
|---|---|---|
| **Dust Collectors** | **(2)** | **Two Semco 1150 cfm bag filter dust collectors, Model DC TF1455308.** |
| **Blower** | **(1)** | **Unloading, 3 HP.** |

| | | |
|---|---|---|
| **Rotary Gate** | **(1)** | **0.5 HP.** |
| **Bag Cleaner** | **(1)** | **1 HP.** |

**Permit #P-17-75(t)**

**PROCESS DESCRIPTION:** **Wastewater Effluent Disposal**

**EQUIPMENT INVENTORY:**

| | |
|---|---|
| **2 Pumps** | **Supply pumps at plant site. Mfr: Gorman Rupp, Model: T6A60-B, 30 HP each.** |
| **2 Pumps** | **Recirculation pumps at field. Mfr: Cornell, Model: 6HHDHVS20-6, 20 HP each.** |
| **1 Pump** | **Recirculation pump in pond. Mfr: Gorman Rupp, 50 HP, Model T8A3-B.** |

**CONTROL EQUIPMENT INVENTORY:**

| | |
|---|---|
| **Aerator #1** | **30 HP** |
| **Aerator #2** | **25 HP** |
| **Aerator #3** | **15 HP** |
| **Aerator #4** | **15 HP** |
| **Aerator #5** | **25 HP** |

**Permit #P-8-96(t)**

**PROCESS DESCRIPTION:** **Stationary Internal Combustion Engine Over 50 HP. Internal combustion engine is used in emergencies to power a pump.**

**EQUIPMENT INVENTORY:**

| | |
|---|---|
| **Internal Combustion Engine** | **One (1) Clarke Detroit Diesel IC Engine Model No. DDFPL6AT, Serial No. 6VA-1, 305 BHP, 2-cycle, diesel fueled, turbocharged.** |

**Permit #P-84-94(t)**

**PROCESS DESCRIPTION:** **Internal combustion engine to power an emergency fire pump, 170 Brake Horsepower.**

**EQUIPMENT INVENTORY:**

| | |
|---|---|
| **Internal Combustion Engine** | **One Cummins Model No. NT-495-FP, Serial No. 25158261, 170 BHP, 4-cycle, diesel fueled, aftercooled.** |

**Permit #P-9-96(t)**

**PROCESS DESCRIPTION:** **Stationary Internal Combustion Engine Over 50 HP. Internal combustion engine is used in emergencies to power a generator.**

**EQUIPMENT INVENTORY:**

**Internal Combustion Engine** **One (1) Cummins/Onan IC Engine Model No. 4B3.9-G, Serial No. 45134752, 68 BHP, 4-cycle, diesel fueled.**

**YEARLY FACILITY EMISSIONS SUMMARY**

| Criteria Pollutant Emissions (tons per year) | | | | | |
|---|---|---|---|---|---|
| **Emission Unit Name** | **$NO_x$** | **$SO_x$** | **VOC** | **CO** | **$PM_{10}$** |
| **Boiler #1** | **7.23** | **0.17** | **0.78** | **58.66** | **1.72** |
| **Boiler #2** | **7.23** | **0.17** | **0.78** | **58.66** | **1.72** |
| **Boiler #3** | **7.23** | **0.17** | **0.78** | **58.66** | **1.72** |
| **Boiler #4** | **8.45** | **0.19** | **0.91** | **68.55** | **2.01** |
| **Boiler #5** | **8.45** | **0.19** | **0.91** | **68.55** | **2.01** |
| **Cooling Towers #1,3,4, and 5** | **0.00** | **0.00** | **0.00** | **0.00** | **1.42** |
| **Four Handling System** | **0.00** | **0.00** | **0.00** | **0.00** | **0.71** |
| **Wastewater Effluent Disposal** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| **IC Engine #2-Primary Fire Pump** | **0.37** | **0.01** | **0.04** | **0.08** | **0.03** |
| **IC Engine #1-Back Up Fire Pump** | **0.41** | **0.01** | **0.04** | **0.09** | **0.03** |
| **IC Engine #3-Electrical Generator** | **0.09** | **0.00** | **0.01** | **0.02** | **0.01** |
| **Other Regulated Air Pollutant Emissions (tons per year)** | | | | | |
| **Emission Unit Name** | **HAP** | **HAP** | **HAP** | **HAP** | **HAP** |

| | | | | | |
|---|---|---|---|---|---|
| **No reportable quantities** | | | | | |

**Title V Federal Operating Permit Conditions**

1. **The Title V permit shall expire five years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted. (Rule 3.8 §302.15)**

2. **An owner or operator shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA.(Rule 3.8 §302.16)**

3. **An owner or operator shall submit a standard District application for renewal of the Title V permit, no earlier than 18 months and no later than six months before the expiration date of the current permit to operate. (Rule 3.8 §402.2)**

4. **An owner or operator shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the owner or operator shall submit copies of the latest preconstruction permit for each affected emissions unit. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. (Rule 3.8 §402.3)**

5. **An owner or operator shall submit a standard District application for each emissions unit affected by the proposed permit revision that qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision.(Rule 3.8 §402.4)**

6. **The owner or operator shall include the following in the application for a minor Title V permit modification :**
   - **A. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;**
   - **B. Proposed permit terms and conditions; and**
   - **C. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. (Rule 3.8 §402.4)**

**7. An owner or operator shall supplement any complete application with additional information upon written request of the APCO, within the timeframe specified by the APCO. (Rule 3.8 §403.2a)**

**8. An owner or operator shall provide, within 10 days, additional information in writing to the APCO upon discovery of submittal of any inaccurate information as a part of the application or as a supplement thereto, or of any additional relevant facts previously omitted which are needed for accurate analysis of the application. (Rule 3.8 §403.2b)**

**Compliance**

**9. The permittee shall comply with all Title V permit conditions. (Rule 3.8 §302.11a.)**

**10. The permit does not convey property rights or exclusive privilege of any sort. (Rule 3.8 §302.11b.)**

**11. Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. (Rule 3.8 §302.11c.)**

**12. The permittee shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. (Rule 3.8 §302.11d.)**

**13. A pending permit action or notification of anticipated non-compliance does not stay any permit condition. (Rule 3.8 §302.11e.)**

**14. Within a reasonable time period, the permittee shall furnish any information requested by the APCO, in writing, for the purpose of determining:**
- **A. Compliance with the permit; or**
- **B. Whether or not cause exists for a permit or enforcement action. (Rule 3.8 §302.11f.)**

**15. The permittee shall comply with the requirements of Section 405, Rule 3.1, GENERAL PERMIT REQUIREMENTS, and the emergency provisions contained in all applicable federal requirements. (Rule 3.8 §302.12a.)**

**16. Within two weeks of an emergency event, the owner or operator shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:**
- **A. An emergency occurred;**
- **B. The permittee can identify the cause(s) of the emergency;**
- **C. The facility was being properly operated at the time of the emergency;**

**D. All steps were taken to minimize the emissions resulting from the emergency; and**

**E. Within two working days of the emergency event, the permittee provided the District with a description of the emergency and any mitigating or corrective actions taken. (Rule 3.8 §302.12b.)**

**17. In any enforcement proceeding, the permittee has the burden of proof for establishing that an emergency occurred. (Rule 3.8 §302.12c.)**

**18. Right of Entry - The Yolo-Solano Air Quality Management District, the Executive Officer of the California Air Resources Board, the EPA Regional Administrator and/or their authorized representatives, upon the presentation of credentials, shall be permitted:**

**A. To enter upon the premises where the emission source is located or in which any records are required to be kept under the terms and conditions of this permit;**

**B. At reasonable times to have access to and copy any records required to be kept under terms and conditions of this permit;**

**C. To inspect any equipment, operation, or method required in this permit; and**

**D. To obtain samples from the emission source or require samples to be taken. (Rule 3.8 § 302.10)**

**19. Severability - If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgement shall not affect or invalidate the remainder of these conditions. (Rule 3.8 § 302.13)**

**20. The permittee shall comply with hourly particulate emission rates based on the hourly material throughput as follows:**

**PROCESS WEIGHT VS ALLOWABLE EMISSION RATE PER HOUR**

| Process Weight Allowable [Lbs/Hr] | | Emission Rate [Lbs/Hr] |
|---|---|---|
| More Than | To and Including | |
| 0 | 400 | 1 |
| 400 | 800 | 2 |
| 800 | 1,500 | 3 |
| 1,500 | 2,200 | 4 |
| 2,200 | 2,900 | 5 |
| 2,900 | 4,100 | 6 |
| 4,100 | 5,400 | 7 |
| 5,400 | 7,000 | 8 |
| 7,000 | 8,500 | 9 |

| | | |
|---|---|---|
| 8500 | 10,000 | 10 |
| 10,000 | 11,600 | 11 |
| 11600 | 13,200 | 12 |
| 13,200 | 14,800 | 13 |
| 14,800 | 16,400 | 14 |
| 16,400 | 18,000 | 15 |
| 18,000 | 19,600 | 16 |
| 19,600 | 21,300 | 17 |
| 21,300 | 23,000 | 18 |
| 23,000 | 24,700 | 19 |
| 24,700 | 26,500 | 20 |
| 26,500 | 28,300 | 21 |
| 28,300 | 30,000 | 22 |
| 30,000 | 31,700 | 23 |
| 31,700 | 33,300 | 24 |
| 33,300 | 35,000 | 25 |
| 35,000 | 36,700 | 26 |
| 36,700 | 38,300 | 27 |
| 38,300 | 40,000 | 28 |
| 40,000 | 41,700 | 29 |
| 41,700 | 43,300 | 30 |
| 43,300 | 45,000 | 31 |
| 45,000 | 46,700 | 32 |
| 46,700 | 48,300 | 33 |
| 48,300 | 50,000 | 34 |
| 50,000 | 51,700 | 35 |
| 51,700 | 53,300 | 36 |
| 53,300 | 55,000 | 37 |
| 55,000 | 56,700 | 38 |
| 56,700 | 58,300 | 39 |
| 58,300 | ----- | 40 |

**(Rule 2.19, SIP Approved 6/14/78)**

**21. Except as otherwise permitted by law, the permittee shall not release or discharge into the atmosphere, particulate matter in excess of 0.3 grains per cubic foot of exhaust volume as calculated standard conditions. (Rule 2.11, SIP Approved 6/14/78)**

**A. Operation of combustion units within the established emission parameters as stated in this permit insures less than 0.3 grains per cubic foot of gas is emitted.**

**22. The permittee shall not discharge into the atmosphere from any single source of emission whatsoever, any one or more of the following contaminants, in any state or combination thereof, in excess of the following concentrations at the point of discharge:**

**A. Sulfur compounds calculated as sulfur dioxide ($SO_2$) O.2 percent, by volume at standard conditions.**

**B. Particulate Matter Combustion Contaminants: 0.3 grains per cubic foot of gas calculated to 12 percent of carbon dioxide ($CO_2$) at standard conditions, except during the start of an operation or change in energy source, during the time necessary to bring the combustion process up to operating level. (Rule 2.12, SIP Approved 5/31/72)**

**1. Operation of combustion units within the established emission parameters as stated in this permit insures less than 0.3 grains per cubic foot of gas is emitted.**

**23. International Home Foods shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:**

**A. As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines; or**

**B. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection A. (Rule 2.3, SIP Approved 5/31/72)**

**Recordkeeping and Reporting Conditions**

**24. Records shall be maintained of all monitoring and support information required by any applicable federal requirement, including:**

**A. Date, place, and time of sampling;**

**B. Operating conditions at the time of sampling;**

**C. Date, place, and method of analysis; and**

**D. Results of the analysis. (Rule 3.8 §302.6a)**

**25. Records shall be retained for all required monitoring data and support information for a period of at least five years from the date of sample collection, measurement, report, or application. (Rule 3.8 §302.6b)**

**26. Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be reported to the APCO within 10 calendar days. (Rule 3.8 §302.7a)**

**27. A monitoring report shall be submitted at least every six months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7. a of Rule 3.8. (Rule 3.8 §302.7b)**

**28. All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. (Rule 3.8 § 302.7c)**

**29. Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. (Rule 3.8 § 302.7e)**

**30. The responsible official shall submit a compliance certification to the U.S. EPA and the APCO every 12 months unless required more frequently by an applicable requirement. (Rule 3.8 § 302.14a)**

**31. The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with the term or condition consistent with Sections 302.5, 302.6, and 302.7 of Rule 3.8. (Rule 3.8 § 302.14b)**

**32. The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. (Rule 3.8 § 302.14c)**

**33. The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. (Rule 3.8 § 302.14d)**

**Facility Wide Operating Conditions**

**(The following conditions are District enforceable only for all permits except (P-8-96(t), P-9-96(t), P-20-98, P-21-98, P-22-98, P-23-98, and P-24-98)).**

**34. No modifications to the process, types or quantities of materials used, as presented with the Permit to Operate application, shall be made without prior District approval.**

**35. Operation shall be conducted in compliance with all data and specifications submitted with the application under which the permit is issued.**

**36. All persons involved with the process and maintenance activities of the permitted process shall be made aware of these conditions and abide by them accordingly.**

**37. The Permit to Operate and a copy of these conditions shall be posted on site, clearly visible and readily available upon request.**

**38. The equipment associated with the approved process shall be properly maintained and kept in good operating condition to ensure compliance and prevent exceeding the permitted emission limits at all times except during times of repair or breakdown.**

**39. An annual throughput/production report shall be submitted at the end of each calendar year. This report is due no later than March 31, for the previous year. This report must include operating hours, and amounts of materials processed. Each type of material and each type of process must be listed separately.**

**40. The District may request in writing from the permitted source: plans, specifications, records, samples or other information that will disclose the nature, extent, quantity or degree of air contaminants that are, or may be, emitted by the facility. If the permitted source feels that trade secrets are unreasonably being requested by the District, they may appeal directly to the Board of Directors.**

**41. The District may suspend the permit if, within a reasonable time, the permitted source willfully fails or refuses to furnish requested information, analyses, plans or specifications relating to emissions from the source for which the permit was issued.**

**42. In the event that any of the equipment is found to be in violation of District Rules and Regulations, the permitted source shall be liable for violations up to the maximum allowed by law. The penalties are accrued on a daily basis. The permitted source shall operate the violating piece of equipment under the risk of full penalty by the District.**

**43. Non-compliance with any permit condition is grounds for permit termination, enforcement action, or denial of permit renewal.**

**44. Any changes in operation schedule or process shall be reported to the District immediately.**

**45. Any changes in ownership, address or alteration shall be reported, in writing to the District, prior to the changes. Such changes may require prior District approval.**

## EQUIPMENT OR EMISSION UNIT SPECIFIC CONDITIONS

### BOILER SYSTEM (P-20-98, P-21-98, P-22-98, P-23-98, and P-24-98) THREE WICKES BOILERS AND TWO ZURN BOILERS

#### Federally Enforceable Requirement Conditions

**46. Units with rated heat inputs of greater than or equal to 5 million BTU per hour and annual heat inputs of greater than or equal to 90,000 therms for any three previous calendar years, $NO_x$ emissions shall not exceed the following levels:**

**A. 30 parts per million by volume (ppmv), or 0.036 pound per million BTU of heat input when operated on gas.**

**Emissions from units subject to this condition shall not exceed a carbon monoxide concentration of 400 parts per million by volume (ppmv). (Rule 2.27 §301, Adopted 8/14/96)**

**47. International Home Foods, Inc. shall, conduct either a tune-up or compliance source test is required annually. A compliance source test for $NO_x$ and CO shall be performed, at a minimum, triennially.**

**A. The source test shall be conducted in accordance with an approved source test protocol. The source test protocol shall be submitted to the District two weeks prior to proposed test date. Source test results shall be submitted to the District compliance staff within 60 days of the test date.**

**B. Test reports shall include the operational characteristics of all $NO_x$ reduction equipment sufficient with determining compliance, including any information collected via data collection devices. Such measurements may include, but are not limited to, the oxygen concentration, CO concentration, stack-gas temperatures, and/or any other data necessary to accurately assess the effectiveness of the $NO_x$ reduction equipment.**

**C. The first test or tune-up report, for each unit shall be submitted by December 31, 1998.**

**D. Compliance with $NO_x$ emission requirements and the stack-gas carbon monoxide and oxygen requirements shall be determined using the following test methods:**

**1. Oxides of Nitrogen - ARB Method 100.**

**2. Carbon Monoxide - ARB Method 100.**

**3. Stack-Gas Oxygen - ARB Method 100.**

**4. $NO_x$ Emission Rate (Heat Input Basis) -EPA Method 19. (Rule 2.27 § 403, Adopted 8/14/96)**

**48. The owners or operators shall monitor and record for each unit the HHV and cumulative annual usage of each fuel and the cumulative annual hours of operation during shut-down, the period of time a unit is cooled from its operating temperature to ambient temperature, or the time specified by the unit manufacturer and start-up, the period of time a unit is heated from ambient temperature to its operating temperature, or the time specified by the unit manufacturer. The records shall be updated weekly and made available to the District upon request. Historical annual data for the five**

**previous calendar years shall be kept and made available to the District upon request. (Rule 2.27 § 501, Adopted 8/14/96)**

**49. International Home Foods, Inc. shall not build, expand, or operate any non-mobile fuel burning equipment for a heat or power generator unit unless the discharge into the atmosphere of contaminants will not and does not exceed any one or more of the following rates:**

**A. 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide ($SO_2$);**

**B. 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide ($NO_2$);**

**C. 40 pounds per hour of combustion particulate derived from the fuel. (Rule 2.16, SIP Approved 1/29/79)**

**COOLING TOWERS (P-41-72(t)), COOLING TOWERS #1,3,4 and 5**

**Federally Enforceable Requirement Conditions**

**(The following condition is District enforceable it will become immediately Federally enforceable upon promulgation of SIP approval by EPA)**

**50. International Home Foods, Inc.shall not use or allow the use of chromium containing compounds in the treatment of cooling tower circulating water. (Rule 9.3, §c.1)**

**INTERNAL COMBUSTION ENGINES (P-84-94(t), P-8-96(t) and P-9-96(t)), IC ENGINES #1,2 and 3**

**Federally Enforceable Requirement Conditions**

**(The following conditions are District enforceable they will become immediately Federally enforceable upon promulgation of SIP approval by EPA)**

**51. To remain exempt under Rule 2.32 the emergency standby engine shall be maintained and tested for no more than 50 hours per calendar year. (Rule 2.32 §110.3, Adopted 8/10/94)**

**52. Any owner or operator claiming an exemption under Section 110 of District rule 2.32 shall submit support documentation identifying reasons for the exemption. Such documentation shall contain a list that provides the following for each engine:**

**A. Permit to Operate number;**

**B. Engine manufacturer;**

**C. Model designation;**

**D. Rated brake horsepower;**

**E. Type of fuel and type of ignition. (Rule 2.32 §503.1)**

**53. The owner or operator shall maintain a log of operating hours for each engine. (Rule 2.32 §503.2, Adopted 8/10/94)**

**54. The operating log shall be available to the Air Pollution Control Officer upon request. (Rule 2.32 §503.3, Adopted 8/10/94)**

**55. International Home Foods, Inc. shall not build, expand, or operate any non-mobile fuel burning equipment for a heat or power generator unit unless the discharge into the atmosphere of contaminants will not and does not exceed any one or more of the following rates:**

**A. 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide ($SO_2$);**

**B. 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide ($NO_2$);**

**C. 40 pounds per hour of combustion particulate derived from the fuel.**

**Non-federally Enforceable Requirement Conditions**

**56. Operations shall comply with District Rule 2.32. (Rule 3.1 §402, Adopted 2/23/94)**

**57. The emergency standby engine shall only be used when normal power line or natural gas service fails; or for the emergency pumping of water for either fire protection or flood relief. The emergency standby engine may not be operated to supplement a primary power source when the load capacity or rating of the primary power source has either been reached or exceeded. (Rule 3.1 §402, Adopted 2/23/94)**

**FLOUR HANDLING SYSTEM (P-38-72(t)), DURUM FLOUR SYSTEM AND HARD WHEAT FLOUR SYSTEM**

**58. International Home Foods, Inc. shall inspect daily while in operation all baghouses for evidence of particulate matter breakthrough, and replace bags as necessary. At least one set of spare filters shall be maintained on premises at all times. (Rule 3.1 §402, Adopted 2/23/94)**

**59. Records shall be kept of inspections and maintenance procedures. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of the inspection and the initials of the personnel performing the inspection. (Rule 3.1 §402, Adopted 2/23/94)**

**PERMANENT FIELD IRRIGATION (P-17-75(t)), WASTEWATER EFFLUENT DISPOSAL**

**60. International Home Foods, Inc. shall inspect daily, during operation, the permitted aerators are functioning. An inspection record shall be maintained, which includes; date of inspection, any corrective action taken as a result of the inspection and the initials of the personnel performing the inspection.**

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